

National Stage of PCT/EP2003/013319
Attorney Docket No. B1180/20038
Preliminary Amendment Dated May 27, 2005

REMARKS/ARGUMENTS

By this Amendment, the specification is amended, claims 1-13 are canceled, and claims 14-27 are added. Claims 14-27 are pending. A substitute Abstract of the Disclosure is attached on a separate sheet. No new matter is added.

This Amendment is submitted to better conform the application to United States practice by, *inter alia*, eliminating multiple dependencies from the claims and adding section headings to the specification.

It is respectfully submitted that the application is in good form for initial examination on the merits. Accordingly, prompt and favorable examination on the merits is respectfully requested.

Should the Examiner believe that anything further is desirable in order to place the application in even better condition for initial examination and allowance, the Examiner is invited to contact Applicants' undersigned attorney at the telephone number listed below.

Respectfully submitted,

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consideration of this submission.

| ABSTRACT OF THE DISCLOSURE

Described is a fluidic microsystem (100) comprising including at least one channel (10) through which a particle suspension can flow; and first and second electrode devices (40, 60) which are arranged on first and second channel walls (21, 31) for generating electrical alternating-voltage fields in the channel (10); wherein the first electrode device (40) for field shaping in the channel comprises includes at least one first structure element (41, 51); and the second electrode device (60) comprises includes an area-like electrode layer (61) with a closed second electrode surface which comprises includes a second passivation layer (70); wherein the effective electrode surface of the first structure element (41, 51), of which element (41, 51) there is at least one, is smaller than the second electrode surface; and the second passivation layer (70) is a closed layer which completely covers the second electrode layer (61).